

THE UNITED STATES PATENT AND TRADEMARK OFFICE

CUSTOMER NO. 35811

Art Unit

: 3618

Examiner Serial No. : Not Yet Known : 10/694,423

Filed

: October 27, 2003

Inventors

: Christopher Grymko, et al.

Docket No.: PMP-05-1323R

Confirmation No.: 3352

Title

: TRANSPORTABLE WHEELCHAIR

Dated: October 18, 2005

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Certificate of Mailing Under 37 CFR 1.8

Postcard किया के सुरक्ष के कुछ बार का कर किया किया है कि असे कुछ कर के प्रकार के किया है। जा कर कर की किया के

Change of Correspondence Address

Service as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

> Name of Applicant, Assignee, Applicant's Attorney or Registered Representative:

> > DLA Piper Rudnick Gray Cary US LLP Customer No. 35811

Date:

E UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit

: 3618

Examiner

: Not Yet Known

Serial No.

: 10/694,423

Filed

: October 27, 2003

Inventors

: Christopher Grymko, et al.

Docket No.: PMP-05-1323R

CUSTOMER NO. 35811

Confirmation No.: 3352

Title

: TRANSPORTABLE WHEELCHAIR

Dated: October 18, 2005

CHANGE OF CORRESPONDENCE ADDRESS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The address of the attorney of record for the above-identified application has changed. Please direct all correspondence to the following address:

Customer No. 035811, whose contact information is

Thomas J. Durling
IP Group of DLA Piper Rudnick Gray Cary US LLP
One Liberty Place
1650 Market Street, Suite 4900
Philadelphia, PA 19103

We respectfully request that the address in the official file of this application be changed to the above new address, effective immediately, and that all future correspondence and communications be sent to that new address.

Respectfully submitted,

Thomas J. Durling

Reg. No. 31,349

TJD:jrh (215) 656-2431

3731039_1.DOC

substrate on which they are arranged before any portions of the pressure sensitive adhesive layer is cured. (See, Specification, paragraph 11, lines 1-6).

In contrast, the cited references fail to disclose or suggest every element of the present claims because they fail to disclose or suggest forming a temporary adhesion layer on a surface of a first substrate, and arranging a plurality of devices on the temporary adhesion layer, and embedding devices into a pressure sensitive adhesive layer provided on a second substrate by positioning the first and second substrates in close proximity thereof such that the temporary adhesion layer comes into contact with the pressure sensitive adhesive layer and the devices are entirely embedded within the pressure sensitive adhesive layer such that the plurality of second devices become substantially flush with the surface of the pressure sensitive adhesive layer, wherein the entire pressure sensitive adhesive layer is in an uncured state and the devices are light emitting diodes, as recited in amended Claims 36, 29 and 41.

In this regard, in Fig. 2D of Hayashi, substrate 4 is not brought together with substrate 1 such that adhesive layer portions 5 come into contact with the adhesive layer 2, as claimed. Moreover, the devices 3 or 3a are not entirely embedded within the adhesive layer 2 such that the plurality of "second devices" 3a become substantially flush with the surface of the adhesive layer 2, as claimed. With regard to the Nakamura reference, the Office Action merely relies on Nakamura for the alleged disclosure of a "heat sensitive and pressure sensitive adhesive layer," and thus fails to cure the deficiencies of Hayashi, even assuming the references are properly combinable. (See, Office Action, pg. 3). With regard to the Iwafuchi reference, as shown in Figs. 7 and 8, substrate 51 does not include a temporary adhesion layer formed thereon, as presently claimed. Rather, in order to release substrate 51 from the light emitting diodes, the sapphire substrate 51 is irradiated with a UV laser to decompose the second conductive type cladding layer 52 into nitrogen gas and metal gallium to weaken the bond between same. (See, Iwafuchi, col. 22, lines 1-14). Moreover, as shown in Figs. 6-8 of Iwafuchi (as referenced on page 17 of the Office Action), the devices are not substantially flush with the surface of adhesive material layer 61. As such, Iwafuchi fails to cure the deficiencies of Nakamura and Hayashi as discussed above, even assuming that all of the references are properly combinable.

Accordingly, Applicants respectfully request that the rejection of Claims 36, 38-39, 41-43, 45 and 47-51 under 35 U.S.C. §103(a) to *Hayashi*, *Nakamura* and *Iwafuchi* be withdrawn.

In the Office Action, Claims 40 and 44-46 are rejected under 35 U.S.C. §103(a) as being unpatentable over WO 02/084631 A1 to Hayashi et al. as evidenced by Hayashi in view of Nakamura, and further in view of U.S. Patent Application No. 2003/0227253 to Seo et al. ("Seo") and Iwafuchi. As discussed previously, Hayashi, Nakamura and Iwafuchi fail to disclose or suggest forming a temporary adhesion layer on a surface of a first substrate, and arranging a plurality of devices on the temporary adhesion layer, and embedding devices into a pressure sensitive adhesive layer provided on a second substrate by positioning the first and second substrates in close proximity thereof such that the temporary adhesion layer comes into contact with the pressure sensitive adhesive layer and the devices are entirely embedded within the pressure sensitive adhesive layer such that the plurality of second devices become substantially flush with the surface of the pressure sensitive adhesive layer, wherein the entire pressure sensitive adhesive layer is in an uncured state as required, in part, by independent Claims 39 and 41, from which Claims 40 and 44-46 depend. The Examiner further relies on Seo merely for the disclosure of driving methods that include impressing a voltage on the devices through the first and second electric wirings. (See, Office Action, page 14). Thus, Applicants respectfully submit that Seo fails to remedy the deficiencies of Hayashi, Iwafuchi and Nakamura.

Accordingly, Applicants respectfully request that the rejection of Claims 40 and 44-46 under 35 U.S.C. §103(a) to *Hayashi*, *Nakamura*, *Seo* and *Iwafuchi* be reconsidered and withdrawn.

In the Office Action, Claims 36, 38-51 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over Claims 1-11 of copending Application No. 11/467,007 in view of WO 02/084631 A1 to Hayashi et al. as evidenced by *Hayashi*. Applicants have amended Claims 36, 39 and 41, and believe the provisional rejections of Claims 36, 38-51 over Claims 1-11 of copending Application No. 11/467,007 have been overcome, for at least the reasons discussed above.

For the foregoing reasons, Applicants respectfully submit that the present application is in condition for allowance and earnestly solicit reconsideration of same.

Respectfully submitted,

K&L GATES LLP

 $\mathbf{B}\mathbf{Y}$

Thomas C. Basso Reg. No. 46,541 Customer No. 29175

Dated: November 11, 2009